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Set Items Description
S1 170 AU='LEE, JERE REX':AU='LEE, JEREMY STUART' FROM 5, 6, 8, 24, 34, 45, 65, 71, 73, 98, 99, 135, 136, 143, 144, 155, 172, 266, 315, 357, 358, 369, 370, 399, 434, 2
S2 96 AU='LEE JEREMY':AU='LEE JEROME P' FROM 5, 6, 8, 24, 34, 45, 65, 71, 73, 98, 99, 135, 136, 143, 144, 155, 172, 266, 315, 357, 358, 369, 370, 399, 434, 2
S3 30 AU='WETTIG, S.D.':AU='WETTIG, SHAWN DAVID' FROM 5, 6, 8, 24, 34, 45, 65, 71, 73, 98, 99, 135, 136, 143, 144, 155, 172, 266, 315, 357, 358, 369, 370, 399, 434, 2
S4 59 AU='WETTIG S.D.':AU='WETTIG SHAWN D' FROM 5, 6, 8, 24, 34, 45, 65, 71, 73, 98, 99, 135, 136, 143, 144, 155, 172, 266, 315, 357, 358, 369, 370, 399, 434, 2
S5 173 AU='KRAATZ, HEINZ-BERNHARD':AU='KRAATZ, HIENZ-BERNHARD' FROM 5, 6, 8, 24, 34, 45, 65, 71, 73, 98, 99, 135, 136, 143, 144, 155, 172, 266, 315, 357, 358, 369, 370, 399, 434, 2
S6 75 AU='KRAATZ HEINZ BERNHARD':AU='KRAATZ HEINZ-BERNHARD' FROM 5, 6, 8, 24,

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34, 45, 65, 71, 73, 98, 99, 135, 136, 143, 144, 155, 172, 266, 315, 357, 358, 369, 370, 399, 434, 2

S7 531 S S1:S6
S8 0 S S7 AND (CHANNEL? OR PORE?) AND DUPLEX AND M-DNA AND
(INCORPORAT? (S) METAL)
S9 4 S S7 AND (CHANNEL? OR PORE?) AND DUPLEX
S10 12 S S7 AND M-DNA
S11 8 RD (unique items)
S12 36296 S M-DNA OR (METAL (S) DNA)
S13 4360 S S12 AND CHELAT?
S14 39 S S13 AND MISMATCH
S15 39 S S14 AND (DNA AND (METAL OR ZN OR NI OR CO) AND MISMATCH)
S16 0 S S15 AND MISMATCH AND DIVALENT AND INTERCHELAT?
S17 0 S S15 AND DIVALENT
S18 0 S S15 AND INTERCHELAT? AND (ZN OR NI OR CO) AND MISMATCH
S19 0 S (PORE OR CHANNEL) AND TRANSLOCATION AND DUPLEX AND BEAD AND MAGNET?
S20 99 S (PORE? OR CHANNEL?) AND (TRANSLOCAT? OR MOVE? OR PASS?) AND DNA AND
DUPLEX
S21 1 S S20 AND MAGNETIC (S) FIELD
S22 5108 S (PORE? OR CHANNEL?) AND (TRANSLOCAT? OR MOVE? OR PASS?) AND (MAGNET?)
S23 1553 S S22 AND (MAGNETIC (S) FIELD)
S24 2415206 S S23 AND DNA OR NUCLEIC OR OLIGO?
S25 50 S S23 AND (DNA OR NUCLEIC OR OLIGO?)

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EAST Search History — |

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	18	("20010045357" "20030013672" "5795782 "5882496" "6004450" "6015714" "606724 6" "6136543" "6267872").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/26 11:46
S2	7	S1 and channel and potential	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/23 16:15
S3	1330	(kraatz.in. or lee.in. or wettig.in.) and hybridiz\$8 and potential	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/26 12:40
S4	363	S3 and metal and (channel or pore)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/26 12:42
S5	91	S4 and electrode	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 09:50
S6	4	(channel or pore)with (mdna or (m near2 dna) or m-dna)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/10 16:35
S7	50	(channel or pore)and (mdna or m-dna)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/07 15:44
S8	0	"electro chemical detection" and (mdna or m-dna)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/07 16:02
S9	3	"20030013672"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/07 16:04
S10	2	"5874046".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/07 16:05
S11	2	"5843767".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/10 16:30
S12	0	(channel adj pore)with (mdna or (m near2 dna) or m-dna)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/10 16:35

EAST Search History

- 2 -

S13	11815	(channel or pore)with (mdna or (m near2 dna) or m-dna or dna or \$5nucleotid\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/10 16:36
S14	3130	S13 and label\$3 same (metal or zn or mg)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/10 16:37
S15	2867	S14 and (lumen or membrane)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/10 16:38
S16	38	S15 and metal near3 nucleic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/24 17:20
S17	18265	(metal or zn or co or ni or nickel or cobalt or zinc) near3 (nucleic or dna or \$5nucleotid\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/10 16:48
S18	6	S17 and (transloc\$6 near3 (first and second))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/10 17:02
S19	2	"6015714".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/10 16:57
S20	235	S17 and ((transloc\$6 or pass\$5 or mov\$6) near3 (first and second))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/10 17:03
S21	5	("5671086").URPN.	USPAT	OR	ON	2007/07/10 17:26
S22	17	branton.in. and (dna or nucleic)and translocat\$5 and nanopor\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/06 08:22
S23	1	(dna or nucleic)and translocat\$5 and nanopor\$3 and ((detect\$3 or measur\$4 or identif\$3) near5 (divalent near2 cation\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/06 08:38
S24	5	(dna or nucleic)and translocat\$5 and nanopor\$3 and ((detect\$3 or measur\$4 or identif\$3) and (divalent near2 cation\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/06 09:42
S25	220	(detect\$3 or measur\$4 or identif\$3) near5 (divalent near2 cation\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/06 10:00

EAST Search History

— 3 —

(Signature)

S26	10455	(dna or nucleic or rna or \$6nucleotid\$2)and translocat\$5 and (nanopor\$3 or channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/06 08:45
S27	9	S25 and S26	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/06 09:34
S28	770	howorka.in. or cheley.in. or bayley.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/06 09:41
S29	0	S28 and (dna or nucleic)and translocat\$5 and nanopor\$3 and ((detect\$3 or measur\$4 or identif\$3) and (divalent near2 cation\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/06 09:43
S30	3	S28 and (dna or nucleic)and translocat\$5 and nanopor\$3 and (detect\$3 or measur\$4 or identif\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/06 09:58
S31	18	(vercoutere.in. or winters-hilt.in. Or olsen.in. or deamer.in. or hausler.in. or akeson.in.) and (dna or nucleic)and translocat\$5 and nanopor\$3 and (detect\$3 or measur\$4 or identif\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/23 16:23
S32	18	(vercoutere.in. or winters-hilt.in. or olsen.in. or deamer.in. or hausler.in. or akeson.in.) and (dna or nucleic)and translocat\$5 and nanopor\$3 and (detect\$3 or measur\$4 or identif\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/06 10:00
S33	0	S32 and (detect\$3 or measur\$4 or identif\$3) near5 (divalent near2 cation\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/08/06 10:00
S34	1374	(kraatz.in. or lee.in. or wettig.in.) and hybridiz\$8 and potential	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/23 16:16
S35	249	S34 and channel and translocation	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/23 16:17
S36	173	S35 and hybridiz\$9 and duplex	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/23 16:18
S37	14	S36 and (channel or pore) same translocation	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/23 16:21

EAST Search History

— 4 —

S38	18	("20010045357" "20030013672" "5795782 " "5882496" "6004450" "6015714" "606724 6" "6136543" "6267872").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/23 16:21
S39	3	S38 and (channel or pore) same translocation	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/23 16:22
S40	1283	(channel or pore) same translocation	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/23 16:22
S41	18	(vercoutere.in. or "winters-hilt".in. or olsen.in. or deamer.in. or hausler.in. or akeson.in.) and (dna or nucleic) and translocat\$5 and nanopor\$3 and (detect\$3 or measur\$4 or identif\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/23 16:24
S42	0	incorporat\$4 near5 metal near5 nucleic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/24 17:21
S43	85	incorporat\$4 near5 metal near5 nucleic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/24 17:29
S44	2	"20020197618"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/24 17:29
S45	58	"6136543"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 10:49
S46	0	mismatch same (divalent near2 metal) same chelat\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 10:50
S47	697	mismatch and (divalent near2 metal) and chelat\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 10:50
S48	231	(mismatch same (detect\$4 or measur\$8)) and ((divalent near2 metal) same chelat\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 10:53
S49	0	(mismatch same (detect\$4 or measur\$8)) same((divalent near2 metal) same chelat\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 10:51
S50	231	S48 and (DNA or nucleic or duplex)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 10:52

EAST Search History

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S51	222	((DNA or nucleic or duplex) same(mismatch) same (detect\$4 or measur\$8)) and ((divalent near2 metal) same chelat\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 11:01
S52	0	((DNA or nucleic or duplex) same(mismatch or mutat\$6) same (detect\$4 or measur\$8)) same((divalent near2 metal) same chelat\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 11:02
S53	0	((DNA or nucleic or duplex) same(mismatch or mutat\$6) same (detect\$4 or measur\$8)) near10((divalent near2 metal) same chelat\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 11:03
S54	2	(mismatch or mutat\$6) same ((divalent near2 metal) same chelat\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 11:04
S55	54	(duplex same (mismatch or mutat\$6)) and ((divalent near2 metal) same \$6chelat\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 11:06
S56	4	"6312913"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 11:24
S57	17036	mismatch and duplex and (zinc or nickel or cobalt or zn or ni or co)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 11:25
S58	92	mismatch same duplex same (zinc or nickel or cobalt or zn or ni or co)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 11:26
S59	17	mismatch same duplex same (zinc or nickel or cobalt or zn or ni)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 11:40
S60	7	"6022959"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 11:40
S61	7	(detect\$3 or measur\$8) same((divalent near2 metal) same (incorporat\$5 or add\$3 or mix\$3) same duplex	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 12:57
S62	3	"6808884"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 14:10
S63	2638	(kimura.in. or katsube.in. or kikuta.in.) and (zinc or zn)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 14:18

EAST Search History

S64	1	(kimura.in. or katsube.in. or kikuta.in.) and (zinc or zn) and dna and mismatch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 14:31
S65	0	santalucia.in. and (zinc or zn) and dna and mismatch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 14:46
S66	0	santalucia.in. and (zinc or zn) and dna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 14:31
S67	11	(zinc or zn or ni or cobalt or nickel) same duplex same chelat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 14:33
S68	8677	(zinc or zn or ni or cobalt or nickel) with (dna or \$6nucleotid\$2 or nucleic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 14:36
S69	3174	S68 and (mismatch or.snp\$2 or (single near2 nucleotide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 14:36
S70	137	((zinc or zn or ni or cobalt or nickel) with (dna or \$6nucleotid\$2 or nucleic))same(mismatch or.snp\$2 or (single near2 nucleotide))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 14:37
S71	2	santalucia.in. and dna and mismatch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/10/25 14:46